

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

999 18th STREET SUITE 500  
DENVER COLORADO 80202 2466

0869 RF 93

DUE  
DATE

FEB 22 1993

## ACTION

DIST. ENC

BENEDETTI, R L	<input checked="" type="checkbox"/>
BENJAMIN, A	<input type="checkbox"/>
BERMAN, H S	<input type="checkbox"/>
CARNIVAL, G J	<input type="checkbox"/>
CORDOVA, R C	<input type="checkbox"/>
CROUCHER, D W	<input type="checkbox"/>
DAVIS, J G	<input type="checkbox"/>
FERRERA, D W	<input type="checkbox"/>
HANNI, B J	<input type="checkbox"/>
HEALY, T J	<input type="checkbox"/>
HEDAH, T G	<input checked="" type="checkbox"/>
HILBIG, J G	<input type="checkbox"/>
IDEKER, E H	<input type="checkbox"/>
KIRBY, W A	<input type="checkbox"/>
KUESTER, A W	<input type="checkbox"/>
LEE, E M	<input type="checkbox"/>
MANN, H P	<input type="checkbox"/>
MARX, G E	<input type="checkbox"/>
McKENNA, F G	<input type="checkbox"/>
MORGAN, R V	<input type="checkbox"/>
PIZZUTO, V M	<input type="checkbox"/>
POTTER, G L	<input type="checkbox"/>
RILEY, J H	<input type="checkbox"/>
SANDLIN, N B	<input type="checkbox"/>
SATTERWHITE, D G	<input type="checkbox"/>
SCHUBERT, A L	<input type="checkbox"/>
SETLOCK, G H	<input checked="" type="checkbox"/>
SHEPLER, R L	<input type="checkbox"/>
SULLIVAN, M T	<input type="checkbox"/>
SWANSON, E R	<input type="checkbox"/>
WILKINSON, R B	<input type="checkbox"/>
WILSON, J M	<input type="checkbox"/>
ZANE, J O	<input type="checkbox"/>

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See C VCORRES CONTROL  
TRAFFICReviewed for Addressee  
Cor es Control RFP2-23-93  
DATE BY

Ref Ltr #

Ref 8HWM FF

Mr Richard Schassburger  
Department of Energy  
Rocky Flats Office  
P O Box 928  
Golden Colorado 80402 0928

RE OU 1 Wetland Mitigation

Dear Mr Schassburger

This is in response to your January 4 1993 letter concerning mitigation of the wetland areas in Operable Unit 1 that were destroyed more than a year ago during construction of the French Drain In that letter DOE proposed 1) that the bottom of the wetland area will be treated with bentonite or similar soil amendments to reduce the hydraulic conductivity of the substrate 2) that the wetland will not be planted with cattails but instead the unassisted establishment of vegetation for a period of two years will merely be monitored 3) install a vertical riser in the upstream end of the drain pipe under the gravel road EPA is in agreement with items 1 and 3 adding soil amendments and the installation of a vertical riser Item 2 however falls short of the action necessary to mitigate the devastated wetland vegetation in a timely and deliberate manner

In letters dated July 8 and August 18 1992 DOE agreed that he restored wetland area would be approximately 2000 square feet EPA has no objection to the inclusion of an open water area within the greater wetland however the open water area must not result in less than 2000 square feet of actual wetland vegetated by some combination of cattail bulrush and willow in order to properly plan and document the restoration activities DOE must submit a plan view and cross sections of the area drawn to scale that will show intended wetland community types and open water areas as well as any water control structures used to manage the wetland area These drawings must clearly indicate the vegetation type and planting density It is recommended that the specific number of plantings be listed and that only local varieties of cattails and other vegetation be used In addition to the map and cross sections a five year monitoring plan must be submitted in which specific monitoring actions and contingent remedial actions are described that will ensure that vegetation survival will be 85% or greater

This mitigation project has already taken much too long to develop so it is essential that the proposed actions and

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plantings occur this spring Therefore it is necessary that DOE submit to EPA for approval the drawings and monitoring plan specified above on or before March 15 1993 The addition of soil amendments and the vertical riser must also occur as soon as possible but no later than March 15 1993 in order to capture snowmelt and precipitation for the establishment of saturated conditions If you have any questions regarding these matters please contact Gary Kleeman of my staff at 294 1071

Sincerely

A handwritten signature in dark ink, appearing to read "M. Hestmark" with a stylized flourish at the end.

Martin Hestmark Manager  
Rocky Flats Project

cc Paul Singh DOE  
Dick Flory EG&G  
Cindy Gee EG&G